

ENVIRONMENTAL EVALUATION AND MANAGEMENT OF DREDGED MATERIAL FOR BENEFICIAL USE: A REGIONAL MANUAL FOR THE GREAT LAKES

“Draft Regional Beneficial Use Testing Manual”

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“The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation.”



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Environmental Evaluation and Management of Dredged Material for Beneficial Use: A Regional Manual for the Great Lakes

Table of Contents

1	Introduction.....	1-1
1.1	Background	1-1
1.2	Existing Guidance Supporting Beneficial Use and Dredged Material Management.....	1-2
1.3	Purpose and Scope	1-4
1.4	Applicability.....	1-5
2	Statutory and Regulatory Overview.....	2-1
2.1	Regulatory Considerations for Aquatic Placement	2-1
2.2	Regulatory Considerations for Upland Placement	2-2
3	Beneficial Use Categories.....	3-1
3.1	Beneficial Use Alternatives.....	3-1
3.2	Aquatic Placement Categories	3-1
3.3	Upland Placement Categories	3-6
3.4	Island Placement	3-8

Environmental Evaluation and Management of Dredged Material for Beneficial Use:
A Regional Manual for the Great Lakes
Table of Contents

4	Principles for Beneficial Use Dredged Material Evaluations	4-1
4.1	Risk-Based Approach for Determining Suitability for Beneficial Use.....	4-2
4.2	Development of a Project Goal for Beneficial Use of Dredged Material	4-1
4.3	Development of a Conceptual Site Model	4-1
4.4	Document and Reporting of Initial Evaluation	4-4
4.5	Sampling Strategy for Beneficial Use Evaluation	4-4
4.6	Considerations for Watershed Background and Reference Comparisons and Selection.....	4-11
4.7	Interpreting Biological Testing Results Within a Risk-Based Approach	4-14



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Environmental Evaluation and Management of Dredged Material for Beneficial Use: A Regional Manual for the Great Lakes **Table of Contents**

5	Aquatic Beneficial Use Placement Evaluation Methods	5-1
5.1	Initial Evaluation	5-1
5.1.1	Procedures of Initial Evaluation.....	5-2
5.1.2	Outcome of Initial Evaluation.....	5-4
5.2	Further Testing and Evaluation	5-5
5.2.1	Evaluation of Potential Contaminant Impacts to the Water Column.....	5-5
5.2.2	Reference/placement Site Sediment and Sediment COPCs.....	5-9
5.2.3	Evaluation of Potential Contaminant Impacts to Benthos	5-10
5.2.4	Evaluation of Potential Contaminant Impacts Caused by Bioaccumulation	5-13



Environmental Evaluation and Management of Dredged Material for Beneficial Use: A Regional Manual for the Great Lakes

Table of Contents

6	Upland Beneficial Use Evaluation Methods.....	6-1
6.1	Tiered Approach.....	6-2
6.1.1	Tier I: Identifying Existing Information and Determination of Exclusions.....	6-6
6.1.2	Tier II Screening Level Assessment	6-6
6.1.3	Tier III Effects-Based Chemical and Biological Testing.....	6-6
6.1.4	Tier IV Baseline Risk Assessment, Relative Risk and Benefit Analysis.....	6-7
6.2	Procedures for Evaluating Risk through Specific Contaminant Pathways	6-7
6.2.1	Evaluating Potential Risk through Direct Exposure to Soil.....	6-8
6.2.2	Evaluating Risk through Exposure to Surface Water and Groundwater.....	6-15
6.2.3	Evaluating Risk through Consumption of Plants and Biota	6-18



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Environmental Evaluation and Management of Dredged Material for Beneficial Use: A Regional Manual for the Great Lakes

Table of Contents

7	Risk Management	7-1
7.1	Risk versus Uncertainty in Beneficial Use Projects.....	7-1
7.2	Controls for Aquatic Placement	7-10
7.3	Controls for Upland Placement	7-15
7.4	Treatment.....	7-21
7.5	Use of Adaptive Management.....	7-24
7.6	Performance Enhancements	7-36
7.7	Summary.....	7-36
8	References	8-1

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Environmental Evaluation and Management of Dredged Material for Beneficial Use:
A Regional Manual for the Great Lakes
Table of Contents

List of Appendices

- Appendix A Sources of Soil and Sediment Background (Reference) Concentrations in the Great Lake States
- Appendix B State-specific Environmental Regulations and Guidance
- Appendix B-1 Great Lakes State Environmental Agencies, Guidance and Regulations for Upland Beneficial Use Placement of Dredged Material
- Appendix B-2 Minnesota Guidelines for Aquatic Beneficial Use Placement of Dredged Material (for Habitat Restoration)
- Appendix C Ecological Biota Screening Levels for Upland Beneficial Use Determination
- Appendix D Treatment Options for Impaired Sediments
- Appendix E Practical Considerations for Dredged Material Management

COMMENT SUMMARY

8

Agency / State	Sections covered by comments	Notes
U.S. EPA	All	Comprehensive review by USEPA, including GLNPO and HQ
GLC	1 and 2	Comments regarding SMCRA, and movement of material between jurisdictions (states / watersheds)
New York	3, 4, 5, Appendix B	NY has well established procedures for permitting upland beneficial use placements of dredged material
Pennsylvania	N/A	Cursory review only; (but no objections raised)
Ohio	1 (General), 4, 5, 6, and Appendices A and B	Comments mainly focused on Section 5 (Aquatic Placement)
Michigan	N/A	Cursory review only; (but no objections raised)
Indiana	5, Appendix B	Minor comments on Section 5; clarification provided on State-specific upland placement procedures
Illinois	5, Appendix B	Minor comments on Section 5; clarification provided on State-specific upland placement procedures
Wisconsin	4, 5	Questions regarding aquatic placement, and risk management
Minnesota	N/A	Cursory review only; (but no objections raised)
Port of Duluth	1 (General)	Comment regarding vegetative invasive species
Kurtz Bros	1 (General)	Comment regarding microcystin toxins in upland placement scenarios

COMMENT RESOLUTION APPROACH & REVISION STATUS

- Compilation of all comments and USACE responses to all sections (except Section 5) distributed to GLDT technical committee May 2017
- Conference calls held in June and November 2017 to discuss comment responses.
- Revisions to Sections 1, 2, 3, 6, 7 drafted
- Revisions to Section 4 and Appendix B on-going
- Responses to Section 5 (and associated revisions) forthcoming this summer



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SUPPORTING EFFORTS

- Invasive plant species (comment from Duluth Port Authority)
 - Lorain Harbor enlisting ERDC support to study seedbank characteristics in dredged material
- Microcystin toxins (comment from Kurtz Brothers)
 - Study of microcystin fate and effects in upland beneficial use of dredged material
 - ERDC literature review – current state of understanding
 - ERDC research funding applied for FY19, will collaborate with Ohio researchers



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